

CLAIMS

1. Impression tray for the capture of a sectoral or total impression of the upper jaw or lower, comprising a gutter (2, 102, 202) in the general shape of an arch with central curved section (7, 107) prolonged on both sides by two side branches (8, 9, 108, 109), this gutter being made of a basic wall (3, 103, 203) bordered longitudinally by two side walls, interior (4, 104, 204) and external (5, 105, 205), and thus defining a receiving throat (6, 106) being able to be filled of impression paste, characterized in that the gutter presents at least an integrated deformable zone deformable at temperature of use without mechanical means in the form of a means of multidirectional extension (12, 112, 212).

2. Impression tray according to claim 1 characterized in that one at least of the means of multidirectional extension includes an extendable structure (13 to 16, 113 to 116, 212).

3. Impression tray according to the preceding claim characterized in that the extendable structure is a bellows (13 to 16, 113 to 116, 212).

4. Impression tray according to the preceding claim characterized in that the bellows (13 to 16, 113 to 116, 212) is of accordion type.

5. Impression tray according to anyone of the preceding claims characterized in that it comprises four means of multidirectional extension (13 to 16, 113 to 116).

6. Impression tray according to the preceding claim characterized in that two of these means of extension (13, 14, 113, 114) are located on the central curved section (7, 107) of the gutter (2, 102) and are laid out substantially with the level of the ends of this one, and in that a means of extension

(15, 115, 16, 116) is provided on each side branch (8, 108, 9, 109) of the gutter.

5 7. Impression tray according to anyone of the preceding claims characterized in that it shows perforations (10, 110, 210).

8. Impression tray according to anyone of the preceding claims characterized in that it comprises a gripping stem (11, 111).

10 9. Impression tray according to anyone of the preceding claims characterized in that it is carried out in the shape of a single bellow (212) extending over the entire length from the gutter (202).

15 10 Impression tray according to the preceding claim characterized in that it is carried out in a section of important length (250), intended to be divided upon use.

20 11 Impression tray according to anyone of the preceding claims characterized in that it is made out of plastic and is intended to be disposable and of single use.

25 12 Impression tray according to anyone of the preceding claims characterized in that it is an impression tray of bottom (1), intended to carry out the capture of impression of a lower dental arch.

13 Impression tray according to any of claims 1 to 11 characterized in that it is an impression tray of the top (101), intended to carry out the capture of impression of a higher dental arch.

30 14. Impression tray according to the preceding claim characterized in that the interior side wall (104) of the gutter (102) widens and joined partly higher by forming a vault, in order to match with the shape of the roof of the mouth, thus making
35 it possible to capture the impression of the velum in addition to that of the higher dental arch.

15. Impression tray according to the preceding claim characterized in that the means of extension (113 to 116) are prolonged on the interior side vault (104), allowing an adjustment of the impression tray (101) in its vault (104) region.

16. Impression tray according to any of the preceding claims characterized in that it presents at least a split zone (17, 18, 217) of lower mechanical resistance, allowing to split the impression tray in one or more impression trays sectoral (19).

17. Impression tray obtained by the rupture of at least a split zone (17, 18, 217) of the impression tray according to the preceding claim characterized in that it comprises at least an integrated deformable zone deformable at temperature of use in the form of a means of multidirectional extension (12, 112, 212).

18. Impression tray according to anyone of claims 1 to 16 characterized in that it comprises an element of rigidification (251, 254, 259, 260).

19. Impression tray according to the preceding claim characterized in that the element of rigidification shows openings (256, 262).

20. Impression tray according to claim 18 or 19 characterized in that the element of rigidification (254, 260) comprises means of adjustment (255).

21. Impression tray according to anyone of claims 18 to 20 characterized in that the element of rigidification is a plate-support (251, 254).

22. Impression tray according to the preceding claim characterized in that the plate-support (251, 254) is in the general shape of a U laid down with two branches (252) and comprises an end forming a strip-handle (253).

23. Impression tray according to anyone of the claims 21 or 22 characterized in that it comprises bridges (257) of material of the type of pass-girdles.

24. Impression tray according to anyone of claims 18 to 20 characterized in that the plate-support or more generally the element of rigidification is stuck against the adjacent wall.

5 25. Impression tray according to the preceding claim characterized in that the plate-support is stuck against the external face of the basic wall of the impression tray.

10 26. Impression tray according to anyone of claims 18 to 20 characterized in that the element of rigidification is a receiving form (258) broader than the impression tray.

15 27. Impression tray according to the preceding claim characterized in that the receiving form (258) is in the shape of gutter (259).

20 28. Impression tray according to the preceding claim characterized in that the distance between the side walls of the impression tray and the sides of the receiving form is maintained constant by spacers.